

RAW SEQUENCE LISTING

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Application Serial Number: 10/570,220
Source: IFWP
Date Processed by STIC: 3/8/06

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IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/570,220

DATE: 03/08/2006

TIME: 13:31:06

Input Set : A:\66649-03 sequence listing.txt.txt
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3 <110> APPLICANT: The Government of the United States of America, as
 4 represented by the Secretary of the Department of Health and
 5 Human Services
 6 Kashmiri, Syed V.S.
 7 Schlom, Jeffrey
 8 Padlan, Eduardo A.
 10 <120> TITLE OF INVENTION: MINIMALLY IMMUNOGENIC VARIANTS OF SDR-GRAFTED HUMANIZED
 ANTIBODY
 11 CC49 AND THEIR USE
 13 <130> FILE REFERENCE: 4239-66649-03
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/570,220
 C--> 15 <141> CURRENT FILING DATE: 2006-02-28
 15 <150> PRIOR APPLICATION NUMBER: 60/498,903
 16 <151> PRIOR FILING DATE: 2003-08-29
 18 <150> PRIOR APPLICATION NUMBER: PCT/US04/028004
 19 <151> PRIOR FILING DATE: 2004-08-27
 21 <160> NUMBER OF SEQ ID NOS: 82
 23 <170> SOFTWARE: PatentIn version 3.2
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 23
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Artificial sequence
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: light chain framework region 1 of the humanized antibody
 32 HuCC49V10
 34 <400> SEQUENCE: 1
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 37 1 5 10 15
 40 Glu Arg Val Thr Leu Asn Cys
 41 20
 44 <210> SEQ ID NO: 2
 45 <211> LENGTH: 15
 46 <212> TYPE: PRT
 47 <213> ORGANISM: Artificial Sequence
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: light chain framework region 2 of the humanized antibody
 51 HuCC49V10
 53 <400> SEQUENCE: 2
 55 Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile Tyr
 56 1 5 10 15
 59 <210> SEQ ID NO: 3
 60 <211> LENGTH: 32
 61 <212> TYPE: PRT
 62 <213> ORGANISM: Artificial Sequence

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64 <220> FEATURE:
65 <223> OTHER INFORMATION: light chain framework region 3 of the humanized antibody
66 HuCC49V10
68 <400> SEQUENCE: 3
70 Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
71 1 5 10 15
74 Leu Thr Ile Ser Ser Val Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys
75 20 25 30
78 <210> SEQ ID NO: 4
79 <211> LENGTH: 10
80 <212> TYPE: PRT
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: light chain framework region 4 of the humanized antibody
85 HuCC49V10
87 <400> SEQUENCE: 4
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90 1 5 10
93 <210> SEQ ID NO: 5
94 <211> LENGTH: 30
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: heavy chain framework region 1 of the humanized antibody
100 HuCC49V10
102 <400> SEQUENCE: 5
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105 1 5 10 15
108 Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr
109 20 25 30
112 <210> SEQ ID NO: 6
113 <211> LENGTH: 14
114 <212> TYPE: PRT
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: heavy chain framework region 2 of the humanized antibody
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123 Trp Val Lys Gln Asn Pro Gly Gln Arg Leu Glu Trp Ile Gly
124 1 5 10
127 <210> SEQ ID NO: 7
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129 <212> TYPE: PRT
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: heavy chain framework region 3 of the humanized antibody
134 HuCC49V10
136 <400> SEQUENCE: 7
138 Lys Ala Thr Leu Thr Ala Asp Thr Ser Ala Ser Thr Ala Tyr Val Glu

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142 Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys Thr Arg
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149 <213> ORGANISM: Homo sapiens
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154 1 5 10
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159 <212> TYPE: PRT
160 <213> ORGANISM: Homo sapiens
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165 1 5 10 15
168 Ala
172 <210> SEQ ID NO: 10
173 <211> LENGTH: 7
174 <212> TYPE: PRT
175 <213> ORGANISM: Homo sapiens
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179 Trp Ala Ser Thr Arg Glu Ser
180 1 5
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184 <211> LENGTH: 9
185 <212> TYPE: PRT
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: light chain CDR3 of the humanized antibody HuCC49V10
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194 1 5
197 <210> SEQ ID NO: 12
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199 <212> TYPE: PRT
200 <213> ORGANISM: Mus musculus
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205 1 5
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211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: heavy chain CDR2 of the humanized antibody HuCC49V10
216 <400> SEQUENCE: 13
218 Tyr Phe Ser Pro Gly Asn Asp Asp Phe Lys Tyr Ser Gln Lys Phe Gln

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Input Set : A:\66649-03 sequence listing.txt.txt
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237 <210> SEQ ID NO: 15
238 <211> LENGTH: 17
239 <212> TYPE: PRT
240 <213> ORGANISM: Homo sapiens
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253 <211> LENGTH: 7
254 <212> TYPE: PRT
255 <213> ORGANISM: Homo sapiens
257 <400> SEQUENCE: 16
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263 <210> SEQ ID NO: 17
264 <211> LENGTH: 9
265 <212> TYPE: PRT
266 <213> ORGANISM: Homo sapiens
268 <400> SEQUENCE: 17
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271 1 5
274 <210> SEQ ID NO: 18
275 <211> LENGTH: 5
276 <212> TYPE: PRT
277 <213> ORGANISM: Homo sapiens
279 <400> SEQUENCE: 18
281 Ser Tyr Ala Met His
282 1 5
285 <210> SEQ ID NO: 19
286 <211> LENGTH: 17
287 <212> TYPE: PRT
288 <213> ORGANISM: Homo sapiens
290 <400> SEQUENCE: 19
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293 1 5 10 15
296 Gly
300 <210> SEQ ID NO: 20
301 <211> LENGTH: 10
302 <212> TYPE: PRT

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Input Set : A:\66649-03 sequence listing.txt.txt
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303 <213> ORGANISM: Homo sapiens
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312 <211> LENGTH: 23
313 <212> TYPE: PRT
314 <213> ORGANISM: Homo sapiens
316 <400> SEQUENCE: 21
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322 Glu Arg Ala Thr Ile Asn Cys
323 20
326 <210> SEQ ID NO: 22
327 <211> LENGTH: 14
328 <212> TYPE: PRT
329 <213> ORGANISM: Homo sapiens
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334 1 5 10
337 <210> SEQ ID NO: 23
338 <211> LENGTH: 32
339 <212> TYPE: PRT
340 <213> ORGANISM: Homo sapiens
342 <400> SEQUENCE: 23
344 Gly Val Pro Asp Arg Pro Phe Gly Ser Gly Ser Gly Thr Asp Phe Thr
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348 Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys
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352 <210> SEQ ID NO: 24
353 <211> LENGTH: 11
354 <212> TYPE: PRT
355 <213> ORGANISM: Homo sapiens
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363 <210> SEQ ID NO: 25
364 <211> LENGTH: 113
365 <212> TYPE: PRT
366 <213> ORGANISM: Artificial Sequence
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369 <223> OTHER INFORMATION: light chain of humanized antibody HuCC49
371 <400> SEQUENCE: 25
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377 Glu Arg Val Thr Leu Asn Cys Lys Ser Ser Gln Ser Leu Leu Tyr Ser
378 20 25 30
381 Gly Asn Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
382 35 40 45

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/570,220

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Input Set : A:\66649-03 sequence listing.txt.txt
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L:15 M:270 C: Current Application Number differs, Replaced Current Application No

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date